

# Attachment Illustrated Parts List



## Attachment

**Mfg. No. Description**  
1695163 Catcher, Clean Sweep Twin, 38"

## ***Simplicity***

MANUFACTURING, INC.  
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**Part No.:** 1734814

**Rev.** 04/2007

TP 400-4535-00-AT-SMA

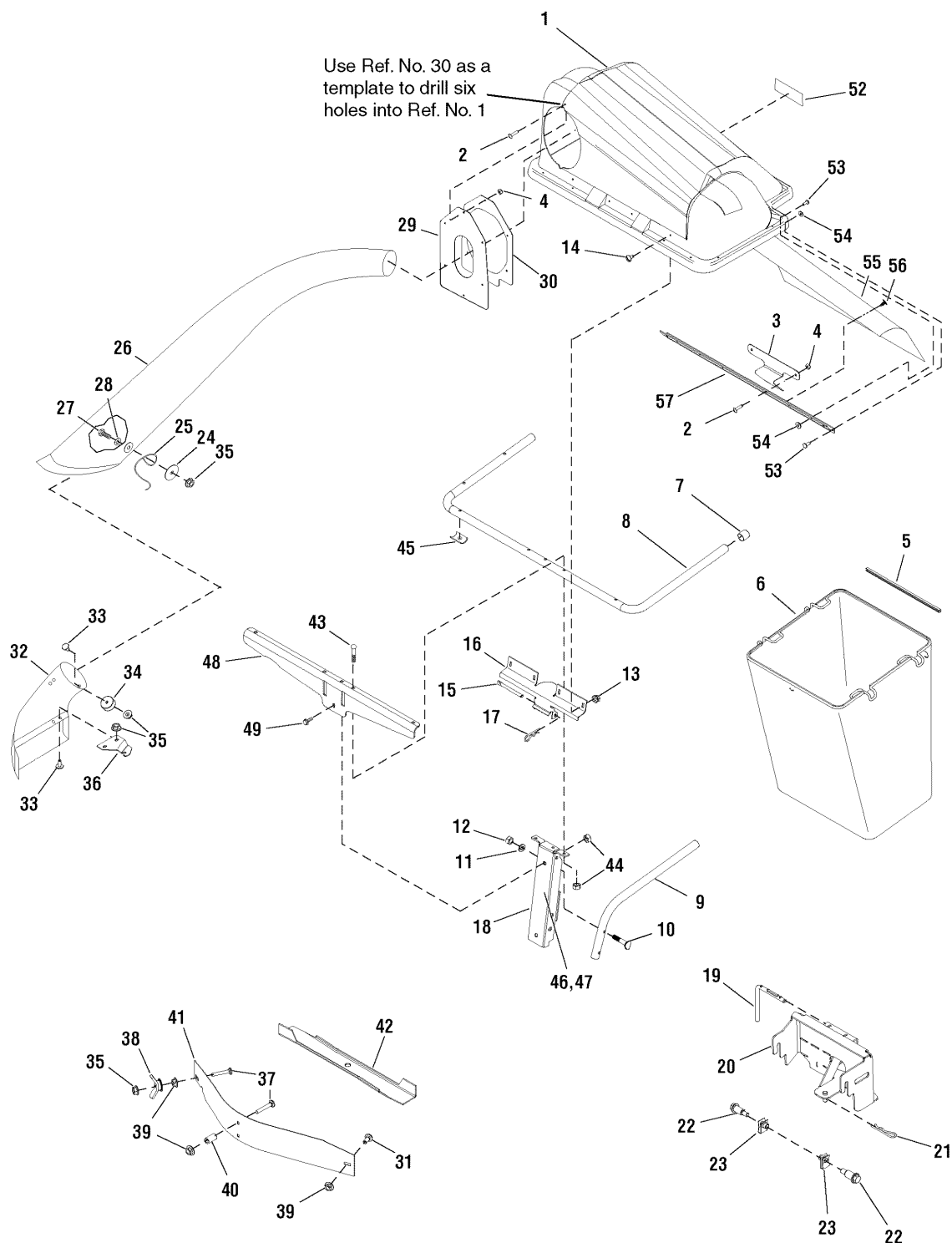


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## Twin Catcher Assembly

**NOTE:** Unless noted otherwise,  
use the standard hardware torque  
specification chart.

1695163



**The above parts group applies to the following Mfg. Nos.:**

1695163 - Catcher

## ***Twin Catcher Assembly***

<b>REF NO</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
1	1732815SM	1	COVER ASSEMBLY, with Decal
2	1960404SM	8	SCREW, 10 - 24 x 3/4
3	1733416ASM	1	LATCH
4	1933896SM	8	NUT, 10 - 24, ESNA Lock
5	1700864SM	2	EDGING, 13-1/8 Long
6	1732350SM	2	BAG ASSEMBLY, Twin
7	024862MA	3	CAP
8	1733440SM	1	TUBE, "U"
9	054412E701MA	1	TUBE, Center
10	006x93MA	2	SCREW, 5/16 - 24, Curve
11	1917356SM	2	LOCKWASHER, 5/16
12	1920263SM	2	NUT, 5/16 - 24, Hex
13	1928372SM	4	NUT, 1/4 - 20, Keps Lock
14	004x26MA	5	SCREW, 1/4 - 20 x 1/2
15	054407ZMA	1	PIN, Cover Hinge
16	054398E701MA	1	HINGE, Cover
17	1960074SM	1	PIN, Hair
18	1732867SM	1	CHANNEL ASSEMBLY
19	1732565SM	1	PIN, Channel Mount
20	1732067ASM	1	MOUNT ASSEMBLY, Channel
21	1960033SM	1	PIN, Hair, 1/8 x 2-9/16
22	1728976SM	2	BOLT, Shoulder, 5/16 - 18
23	1960717SM	2	NUT, 5/16 - 18, Speed
24	1960185SM	1	WASHER
25	1704603SM	1	LATCH, Wire Form
26	1703769SM	1	TUBE, Discharge
27	1960122SM	1	SCREW, 5/16 - 18 x 3/4
28	1919326SM	1	WASHER
29	1732799SM	1	SEAL, Rubber
30	1732735ASM	1	PLATE, Seal
31	1931333SM	1	BOLT, Carriage, 5/16 - 18 x 3/4
32	1732561SM	1	BOOT, 38"
33	1960371SM	3	SCREW, 5/16 - 18 x 3/4
34	1704341SM	1	WASHER, Special
35	1935048SM	5	NUT, 5/16 - 18, Centerlock Flange
36	1704355ASM	1	BRACKET, Boot Mount
37	1931339SM	3	BOLT, Carriage, 5/16 - 18 x 2
38	1733689SM	1	WINGNUT ASSEMBLY
39	1927557SM	4	NUT, Whizlock, 5/16 - 18
40	1674669SM	2	SPACER
41	1703765ASM	1	BAFFLE, 38"
42	1704977SM	1	BLADE, 38" Hi-Lift
43	1931338SM	5	BOLT, Carriage, 5/16 - 18 x 1-3/4
44	1960686SM	6	NUT, 5/16 - 18 ESNA

### **Footnotes**

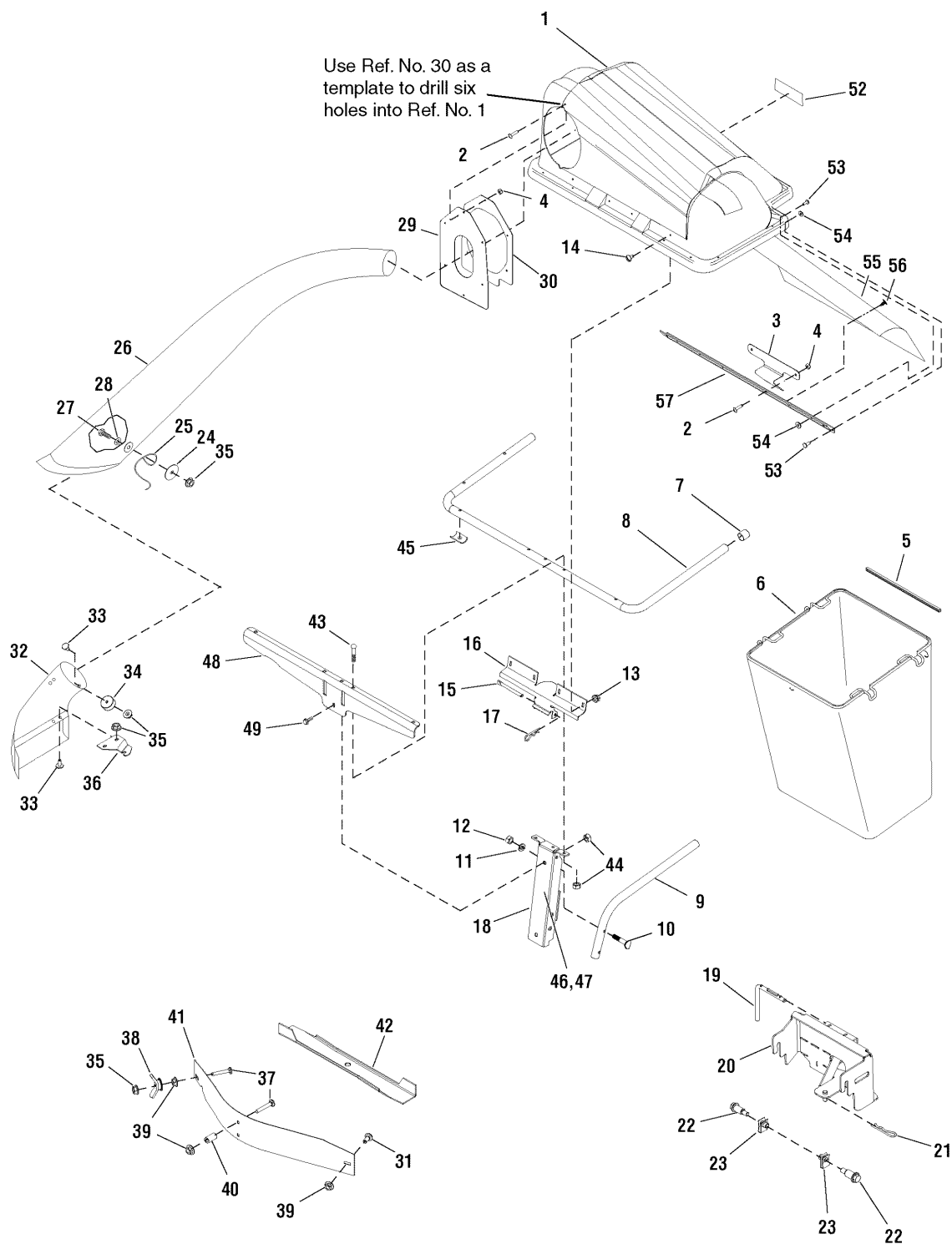
**The above parts group applies to the following Mfg. Nos.:**

1695163 - Catcher

## Twin Catcher Assembly

**NOTE:** Unless noted otherwise,  
use the standard hardware torque  
specification chart.

1695163



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### ***Twin Catcher Assembly***

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REF NO	PART NO.	QTY.	DESCRIPTION
48	1733432ASM	1	BRACE STIFFENER
49	1930591SM	1	CAPSCREW, 5/16 - 18 x 3/4
52	1732819SM	1	DECAL, Cover Warning
53	1673320SM	18	RIVET, Pop, 3/16
54	1910531SM	12	WASHER, Rivet, 3/16
55	1732488SM	1	SCREEN, Twin Cover
56	1732490SM	6	FASTENERS, Push, 1/4 x 1/2
57	1734384SM	1	SCREEN SUPPORT, Twin
58	1733419	1	INSTRUCTION MANUAL

### **Footnotes**

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**The above parts group applies to the following Mfg. Nos.:**

1695163 - Catcher









# Hardware Identification & Torque Specifications

## Common Hardware Types

Hex Head Capscrew



Washer



Carriage Bolt



Lockwasher



Hex Nut

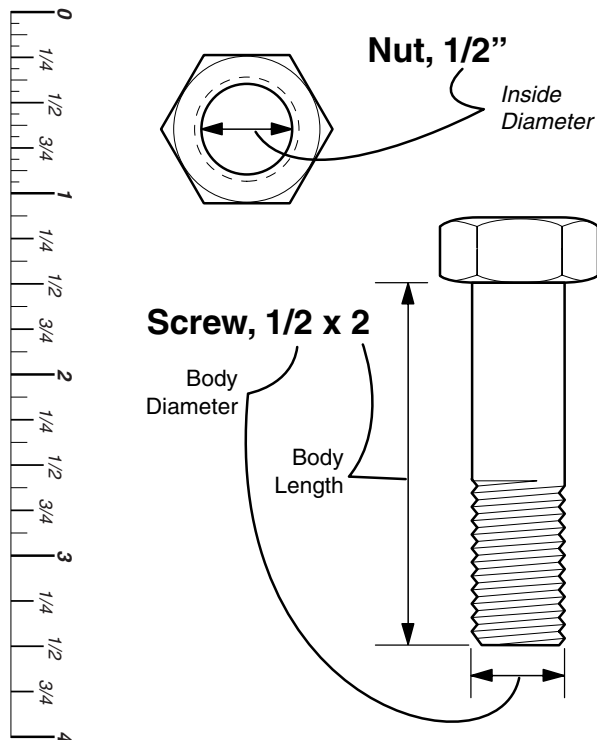


## Standard Hardware Sizing

When a washer or nut is identified as **1/2"**, this is the *Nominal size*, meaning the *inside diameter* is 1/2 inch; if a second number is present it represent the *threads per inch*

When bolt or capscrew is identified as **1/2 - 16 x 2"**, this means the *Nominal size*, or *body diameter* is 1/2 inch; the second number represents the *threads per inch* (16 in this example, and the final number is the *body length* of the bolt or screw (in this example 2 inches long).

**The guides and ruler furnished below are designed to help you select the appropriate hardware and tools.**



## Torque Specification Chart

FOR STANDARD MACHINE HARDWARE (Tolerance  $\pm 20\%$ )

Hardware Grade	No Marks SAE Grade 2		SAE Grade 5		SAE Grade 8	
	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.
8-32	19	2.1	30	3.4	41	4.6
8-36	20	2.3	31	3.5	43	4.9
10-24	27	3.1	43	4.9	60	6.8
10-32	31	3.5	49	5.5	68	7.7
1/4-20	66	7.6	8	10.9	12	16.3
1/4-28	76	8.6	10	13.6	14	19.0
5/16-18	11	15.0	17	23.1	25	34.0
5/16-24	12	16.3	19	25.8	27	34.0
3/8-16	20	27.2	30	40.8	45	61.2
3/8-24	23	31.3	35	47.6	50	68.0
7/16-14	30	40.8	50	68.0	70	95.2
7/16-20	35	47.6	55	74.8	80	108.8
1/2-13	50	68.0	75	102.0	110	149.6
1/2-20	55	74.8	90	122.4	120	163.2
9/16-12	65	88.4	110	149.6	150	204.0
9/16-18	75	102.0	120	163.2	170	231.2
5/8-11	90	122.4	150	204.0	220	299.2
5/8-18	100	136	180	244.8	240	326.4
3/4-10	160	217.6	260	353.6	386	525.0
3/4-16	180	244.8	300	408.0	420	571.2
7/8-9	140	190.4	400	544.0	600	816.0
7/8-14	155	210.8	440	598.4	660	897.6
1-8	220	299.2	580	788.8	900	1,244.0
1-12	240	326.4	640	870.4	1,000	1,360.0

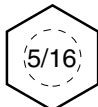
### NOTES

- These torque values are to be used for all hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
- Recommended seating torque values for locknuts:
  - for prevailing torque locknuts - use 65% of grade 5 torques.
  - for flange whizlock nuts and screws - use 135% of grade 5 torques.
- Unless otherwise noted on assembly drawings, all torque values must meet this specification.

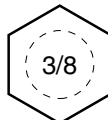
## Wrench & Fastener Size Guide



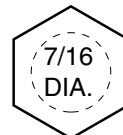
1/4" Bolt or Nut  
Wrench—7/16"



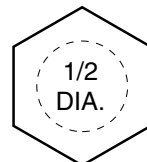
5/16" Bolt or Nut  
Wrench—1/2"



3/8" Bolt or Nut  
Wrench—9/16"



7/16" Bolt or Nut  
Wrench (Bolt)—5/8"  
Wrench (Nut)—11/16"



1/2" Bolt or Nut  
Wrench—3/4"

